

REMARKS

In the Action, claims 21-92 are rejected. In response, claims 21, 37, 53 and 69 are amended. The pending claims in this application are claims 21-92, with claims 21, 37, 47, 53, 69 and 82 being independent.

Independent claims 21, 37, 53 and 69 are amended to recite the program list comprising information regarding the video and/or audio programs and an image corresponding to each of the video and/or audio programs. This feature is supported by the specification and claims as originally filed.

The Rejections

A. Claims 53, 56 and 62-66 are rejected under 35 U.S.C. § 102(a) as being anticipated by U.S. Patent Publication No. 2001/0052126 to Nanki et al. Nanki et al. is cited for disclosing a recording medium connected to the reproducing means and an analyzing control unit.

Independent claim 53 is directed to an apparatus for accessing a video and/or audio program stored in a storage device where the apparatus includes an interface unit for receiving an input signal to access the video and/or program among the programs stored in the storage device and a main control unit for providing a program list comprising information regarding the video and/or audio programs and an image corresponding to each of the programs and accessing the video and/or audio program based on the selection. Nanki et al. does not disclose or suggest the combination of these features. Specifically, Nanki et al. does not disclose displaying an image corresponding to the video and/or audio programs in combination with the main control unit displaying information relating to the stored programs.

The passages referred to in the Action do not disclose the claimed features. The Action refers to paragraph 0070 and Figure 4 of Nanki et al. This passage discloses a control unit for controlling reproducing means in a manner to reproduce the program information. The display processing unit stores the reproduced program detail information in the memory unit. Nanki et al. refers generally to program moving picture information but does not suggest displaying an image corresponding to the program information in the display. Accordingly, claim 53 is not anticipated by Nanki et al.

Claims 56 and 62-66 are also not anticipated by Nanki et al. for disclosing additional features of the invention that are not disclosed or suggested. For example, Nanki et al. does not disclose the program list comprising title information, recording date information and reproducing time information of the video and/or audio programs and the image corresponding to one of the video and/or audio programs as in claim 56, the storage device of claim 62, the apparatus further comprising a recording/reproducing unit and an optical disc recording unit as in claim 63, the programs stored in the storage device being compressed according to a predetermined compression format as in claim 64, the predetermined compression format being an MPEG compression format as in claim 65, and further comprising an input/output terminal unit as in claim 66, in combination with the features of claim 53. Accordingly, these claims are not anticipated by Nanki et al.

B. Claims 21-24, 30, 31, 33-43, 47-48, 54, 55, 69-78 and 80-84 are rejected under 35 U.S.C. § 103 as being obvious over Nanki et al. in view of U.S. Patent No. 5,793,364 to Bolanos et al. Nanki et al. is cited for disclosing a method of receiving a request signal to access video and/or audio programs stored in a video and/or audio recording/reproducing apparatus and displaying a program list comprising information of the programs. As noted in the Action, Nanki et al. does not disclose displaying an image corresponding to one of the video and/or audio programs. Bolanos et al. is cited for disclosing a list of audio visual

programs where the display has a window for displaying an image of the video and/or audio programs.

As noted in the Action, Nanki et al. does not disclose displaying an image corresponding to the video and/or audio programs. Nanki et al. refers only to the control unit for reproducing the program detail information and storing the program detail information in the memory unit. Bolanos et al. is directed to a system for associating playback of multiple audio/visual programs with one graphic interface element. The graphical user interface includes a graphic interface element that draws attention to itself. Bolanos et al. does not disclose a method of accessing a video and/or audio program which includes displaying a program list comprising information of the video and/or audio program and an image corresponding to each of the video and/or audio programs as in claim 21.

Bolanos et al. refers to screen 10 having a still image window 16. The still image window 16 displays an image corresponding to the audiovisual program identified by the current position of the selection bar 14. Thus, the image changes with the movement of the selection bar. There is no suggestion of displaying an image corresponding to each of the video and/or audio programs with the corresponding information of the programs. Therefore, it would not have been obvious to one of ordinary skill in the art to modify the method and/or apparatus of Nanki et al. as suggested in the Action. Nanki et al. does not suggest displaying an image of the programs in the display. It would not have been obvious to one of ordinary skill in the art to modify Nanki et al. to include an image display for the programs of Nanki et al. Furthermore, it would not have been obvious to provide a display having information of the video and/or audio program and an image corresponding to each of the video and/or audio programs in view of Bolanos et al. and Nanki et al. Accordingly, the claims are not obvious over the combination of the cited patents.

Independent claims 37, 47, 69 and 82 are also not obvious over the combination of Nanki et al. in view of Bolanos et al. For the reasons discussed above, Nanki et al. and Bolanos et al. either standing alone or in combination do not disclose a method of displaying information regarding video and/or audio programs stored in an apparatus which includes the step of displaying information comprising one or more of title information, recording date information and reproducing time information of the video and/or audio programs and an image corresponding to each of the video and/or audio programs as in claim 37. As noted above, Nanki et al. does not disclose displaying an image of the programs. Bolanos et al. also fails to disclose displaying an image of each of the programs with the corresponding information of the programs in the display. Thus, independent claims 37, 47, 69 and 82 are not obvious over the combination of the cited patents.

The dependent claims are also not obvious for reciting additional features of the invention that are not disclosed or suggested in the art of record. For example, the cited art does not disclose displaying a still image for each of the video and/or audio programs in combination with the corresponding information of the video and/or audio programs as in claim 22, in combination with the features of claim 21.

The cited patents also fail to disclose displaying a still image extracted from a predetermined part of the corresponding video and/or audio program. The passage referred to in the Action does not disclose this feature. Column 4 of Bolanos et al. refers to a still image corresponding to the program but does not suggest extracting an image from a predetermined part of the corresponding video and/or audio program as in the claimed invention. Accordingly, claim 23 is not obvious over Nanki et al. and Bolanos et al. Nanki et al. and Bolanos et al. further fail to disclose displaying a program list of one or more title information, recording date information and reproducing time information and the image corresponding to the video and/or audio programs as in claim 24, receiving a request signal to

edit the information corresponding to the video and/or audio programs and displaying the user input screen to facilitate editing of the information as in claim 30, the video and/or audio recording/reproducing apparatus being a storage device, a recording/reproducing unit and an optical disc recording unit as in claim 31, storing the programs in a storage device as in claim 33, receiving the request signal from an external output as in claim 34, storing the video and/or audio recording/reproducing apparatus in a compression format as in claim 35, or the compression format being an MPEG compression format as in claim 36, in combination with the features of claim 21.

The combination of the cited patents also fail to disclose outputting a signal corresponding to the information by the video recording/reproducing apparatus to display the information on the display screen as in claim 38, the information being based on a selection made in the display screen as in claim 39, displaying the information in the form of title information, recording date information and reproducing time information as in claim 40, receiving a request signal to edit the information and displaying a user input screen to facilitate the editing of the information as in claim 41, the image corresponding to one of the video and/or audio programs being a still image or a motion image as in claim 42, or the programs being stored in a compression format as in claim 43, in combination with the features of independent claim 37.

Claims 48, 54, 55, 70-78, 80, 81, 83 and 84 are also allowable for the reasons discussed above and for depending from an allowable base claim.

In view of the above comments, claims 21-24, 30, 31, 33-43, 47, 48, 54, 55, 69-78 and 80-84 are not obvious over the combination of the cited patents.

C. Claims 25-28, 52 and 89-91 are rejected under 35 U.S.C. § 103(a) as being obvious over Nanki et al. in view of Bolanos et al., and further in view of U.S. Patent No.

6,020,930 to Legrand. Legrand is cited for disclosing a list of audio visual programs with corresponding still images.

Legrand relates to a broadcast system and displaying a broadcast system program guide. The multichannel broadcasting system includes a program guide for the user to select channels for viewing. The program guide can display a representative video frame for the programs corresponding to the broadcasting channels. Legrand does not relate to a method or apparatus for accessing video and/or audio programs stored in a video and/or audio recording/reproducing apparatus as in the present invention. In addition, the broadcasting system of Legrand is not related to the apparatus and method of Nanki et al. and Bolanos et al. Accordingly, it would not have been obvious to modify the method and apparatus of Nanki et al. and Bolanos et al. to display a program list of the video and/or audio programs stored in the apparatus and images corresponding to the programs of the list as in claim 25, either alone or in combination with the features of claim 21.

As noted above, the combination of Nanki et al. and Bolanos et al. does not disclose or suggest displaying a program list comprising information of the video and/or audio programs and an image corresponding to each of the video and/or audio programs. Legrand relates to a broadcasting system and not programs stored in the storage apparatus. Therefore, it would not have been obvious to one of ordinary skill in the art to modify the apparatus and method of Nanki et al. to display a program list of the information regarding the video and/or audio programs in a predetermined order and images corresponding to the respective video and/or audio programs as in claims 26, 27 or 28.

Legrand does not disclose displaying information comprising one or more of title information, recording date information and reproducing time information in response to a selection of a corresponding image being displayed. The passages referred to in the Action do not disclose this feature. Legrand discloses a display having certain information and an

image, but does not suggest selecting an image and displaying the information in response to the selected image as in claims 52 and 89. Legrand further fails to disclose displaying information of a plurality of the video and/or audio programs simultaneously with an image of each of the programs in the display screen as in claims 90 and 91. Accordingly, these claims are not obvious over the combination of the cited patents.

D. Claim 29 is rejected under 35 U.S.C. § 103 as being obvious over Nanki et al. in view of Bolanos et al. and Legrand, and further in view of U.S. Patent Publication No. 2003/0149988 to Ellis et al. Ellis et al. is cited for disclosing a re-recorded program and ranked from oldest to newest. Claim 29 is allowable as depending from an allowable base claim. Furthermore, the combination of Nanki et al., Bolanos et al., Legrand and Ellis et al. does not suggest the information being displayed where the recording date information is displayed from earliest recording date to the latest recording date as in claim 29, in combination with the features of the independent claim.

E. Claims 44, 45, 49, 50, 85 and 86 are rejected under 35 U.S.C. § 103(a) as being obvious over Nanki et al. in view of Bolanos et al., and further in view of Ellis et al. Ellis et al. is cited for disclosing a program guide that generates a request.

Ellis et al. does not disclose or suggest displaying a menu comprising one or more of a digital recorder, juke box player and a photo album submenus corresponding to the respective functions of the video recording/reproducing apparatus in response to receiving a request signal to display a menu to access functions of the apparatus as in claims 44, 45, 49, 50, 85 and 86, either alone or in combination with the independent claims. Accordingly, these claims are not obvious over the combination of the cited patents.

F. Claims 46, 51, 87 and 88 are rejected under 35 U.S.C. § 103(a) as being obvious over Nanki et al. in view of Bolanos et al. and Ellis et al., and further in view of U.S. Patent No. 6,247,069 to Smyers. Smyers is cited for disclosing an audio and video storage

device. Smyers does not provide the deficiencies of the primary references as discussed above. Accordingly, it would not have been obvious to one of ordinary skill in the art to store the video and/or audio programs in a hard disk drive in the apparatus in combination with the features of the independent claims. Accordingly, these claims are not obvious over the art of record.

G. Claims 32 and 79 are rejected under 35 U.S.C. § 103 as being obvious over Nanki et al. in view of Bolanos et al., and further in view of Smyers. Smyers is cited for disclosing a recording and reproducing apparatus capable of receiving input from a video or audio program. For the reasons discussed above, the primary references do not disclose the features of the claimed invention. Accordingly, it would not have been obvious to one of ordinary skill in the art to provide the apparatus to receive a video and/or audio program from a plurality of video and/or audio program sources as in claims 32 and 79, in combination with the features of the independent claims.

H. Claims 57-59 and 92 are rejected under 35 U.S.C. § 103(a) as being obvious over Nanki et al. in view of Legrand. Legrand is cited for disclosing a list of programs and corresponding still images. For the reasons discussed above, the combination of Nanki et al. and Legrand does not disclose an apparatus comprising an interface unit for receiving an input signal and a main control unit for providing a program list comprising information regarding the video and/or audio programs and an image corresponding to each of the video and/or audio programs. Thus, it would not have been obvious to modify Nanki et al. to provide a program list in a predetermined order and images corresponding to the respective video and/or audio programs as in claims 57-59 and 92, in combination with the independent claims. Accordingly, these claims are not obvious over the art of record.

I. Claim 60 is rejected under 35 U.S.C. § 103 as being obvious over Nanki et al. in view of Legrand, and further in view of Ellis et al. For the reasons discussed above, the

cited patents do not suggest displaying the information from earliest recording date to the latest recording date in combination with the features of the independent claims. Accordingly, claim 60 is not obvious over the combination of the cited patents.

J. Claim 61 is rejected under 35 U.S.C. § 103(a) as being obvious over Nanki et al. in view of Legrand, and further in view of Bolanos et al. Bolanos et al. is cited for disclosing editing a program name by the user on a program guide. Bolanos et al. does not suggest an interface unit receiving a request signal to edit the information corresponding to a video and/or audio program and a main control unit providing a user input screen to facilitate editing of the information, in combination with the features of the independent claim. Thus, claim 61 is not obvious over the combination of the cited patents.

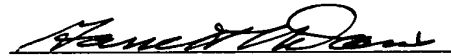
K. Claim 67 is rejected under 35 U.S.C. § 103 as being obvious over Nanki et al. in view of U.S. Patent No. 5,418,658 to Kwon in view of U.S. Patent No. 6,396,998 to Nozaki et al. and U.S. Patent No. 5,857,059 to Yamagishi. Kwon is cited for disclosing a selector connected to an input port. Nozaki et al. is cited for disclosing an AD converter for converting analog signals to digital. Yamagishi is cited for disclosing a hard disk unit with a data management area. The combination of the cited patents does not disclose the apparatus comprising a tuner, switching unit, an input/output control unit for controlling the tuner and the switching unit, a video decoder, an audio AD converter, an encoder for encoding the analog audio signal, a data management unit for managing data with respect to the storage device, an audio AD converter, and a video encoder for encoding the video output signal, in combination with the features of the independent claim. Accordingly, claim 67 is not obvious over the combination of the cited patents.

L. Claim 68 is rejected under 35 U.S.C. § 103(a) as being obvious over Nanki et al. in view of Ellis et al. Ellis et al. is cited for disclosing a program guide that generates a request. Ellis et al. does not disclose an interface unit receiving a menu request and a main

control unit providing a menu comprising a digital recorder, jukebox player and photo album submenu corresponding to the respective functions of the apparatus as in claim 68. Therefore, it would not have been obvious to modify Nanki et al. in the manner suggested in the Action.

For the reasons discussed above, the claims are allowable over the art of record. Accordingly, reconsideration and allowance are requested.

Respectfully submitted,



Garrett V. Davis

Reg. No. 32,023

Roylance, Abrams, Berdo & Goodman, L.L.P.
1300 19th Street, N.W., Suite 600
Washington, D.C. 20036
(202) 659-9076

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